



CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO.: 20-5704-073

REPORT NO.: 93-07

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SURVEILLANCE SCOPE: Observation of Liquid Scintillation Analysis, Sorption Modeling Research, Task 3

REFERENCE DOCUMENTS: N/A

STARTING DATE: 6/9/93

ENDING DATE: 6/11/93

QA REPRESENTATIVE: R. Brient

PERSONS CONDUCTING TEST/EXAM/ACTIVITY: T. Dietrich, GS Student Scientist

SATISFACTORY FINDINGS:

1. Preparation of Samples B-1B*1Ua, B-1B*1Ub, B-3B*1Ua, B-3B*1Ub was witnessed, following the procedure documented in Scientific Notebook #037-1, page 235. The Uranium/Clinoptilolite sorption had been performed as documented on pages 298-299 for experiment B-1B, and similarly for experiment B-3B.
2. Samples, nitric acid, and the scintillation "cocktail" were placed in scintillation vials pre-labeled with the sample identification. Mettler Balance, model AE240, serial number 101237, (calibration due 11/10/93) was used for weighing the samples.
3. After remaining overnight in the dark, the samples, machine performance check standards, and a blank were counted with the U-233 3% 2 sigma protocol.
4. No deviations from the method documented in the scientific notebook were identified.

UNSATISFACTORY FINDINGS: none

NONCONFORMANCE REPORT NO.: N/A

ATTACHMENTS: none

RECOMMENDATIONS/ACTIONS: none

APPROVED: 
CENTER DIRECTOR OF QUALITY ASSURANCE

DATE: 6/11/93

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